

FIG. 1

SIGNAL PEPTIDE

mgtggrrgaaaapllvavaalllgaagHLYPGEVCPGMDIRNNLTRLHELENCSVIEGHL -27

QILLMFKTRPEDFRDLSFPKLIMITDYLLLFRVYGLESLKDLFPNLTVIRGSRLFFNYAL
VIFEMVHLKELGLYNLMNITRGSVRIEKNNELCYLATIDWSRILDSVEDNHIVLNKDDNE
ECGDICPGTAKGKTNCPATVINGQFVERCWTHSHCQKVCPTICKSHGCTAEGLCCHSECL
GNCSQPDDPTKCVACRNFYLDGRCVETCPPPYYHFQDWRCVNFSFCQDLHHKCKNSRRQG
CHQYVIHNNKCIPECPSGYTMNSSNLLCTPCLGPCPKVCHLLEGEKTIDSVTSAQELRGC
TVINGSLIINIRGGNNLAAELEANLGLIEEISGYLKIRRSYALVSLSFFRKLRLIRGETL
EIGNYSFYALDNQNLRQLWDWSKHNLTTTQGKLFFHYNPKLCLSEIHKMEEVSGTKGRQE
RNDIALKTNGDKASCENELLKFSYIRTSFDKILLRWEPYWPPDFRDLLGFMLFYKEAPYQ
NVTEFDGQDACGSNSWTVVDIDPPLRSNDPKSQNHPGWLMRGLKPWTQYAIFVKTLVTFS
DERRTYGAKSDIIYVQTDATNPSVPLDPISVSNSSSQIILKWKPPSDPNGNITHYLVFWE
RQAEDSELFELDYCLKGLKLPSRTWSPPFESEDSQKHNQSEYEDSAGECCSCPKTDSQIL
KELEESSFRKTFEDYLHNVVFVPRKTSSGTGAEDPRPSRKRRS1gdvgnvtvavptvaaf

pntsstsvptspeehrpfekvvnkeslvisglrhftgyrielqacnqdtpeercsvaayv sartmpeakaddivgpvtheifennvvhlmwqepkepnglivlyevsyrrygdeelhlcv

SspI

srkhfalergcrlrglspgnysvriratslagngswteptyfyvtdyldvpsniakiiig
plifvflfsvvigsiylflrkrqpdgplgplyassnpeylsasdvfpcsvyvpdewevsr
ekitllrelgqgsfgmvyegnardiikgeaetrvavktvnesaslrerieflneasvmkg
ftchhvvrllgvvskgqptlvvmelmahgdlksylrslrpeaennpgrppptlqemiqma
aeiadgmaylnakkfvhrdlaarncmvahdftvkigdfgmtrdiyetdyyrkggkgllpv
rwmapeslkdgvfttssdmwsfgvvlweitslaeqpyqglsneqvlkfvmdggyldqpdn
cpervtdlmrmcwqfnpkmrptfleivnllkddlhpsfpevsffhseenkapeseeleme
fedmenvpldrsshcqreeaggrdggsslgfkrsyeehipythmnggkkngriltlprsn
ps (SEQ ID NO:2)

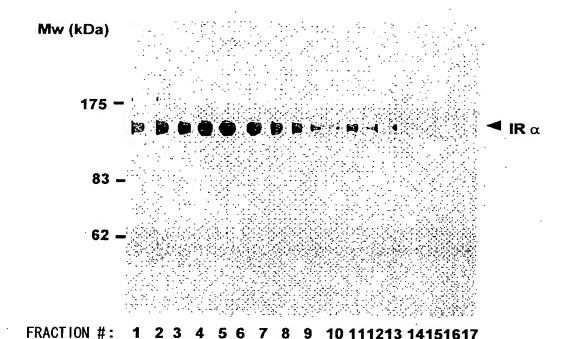


FIG. 3

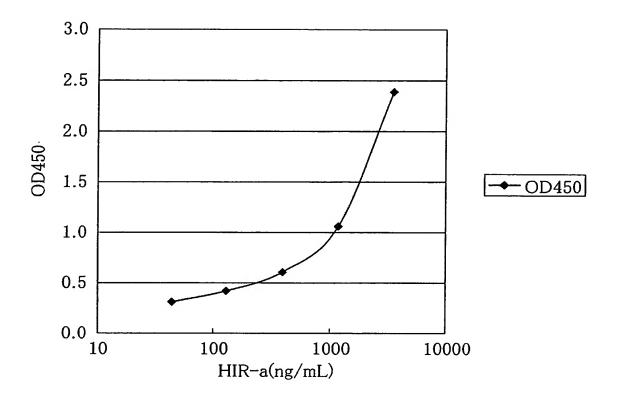


FIG. 4

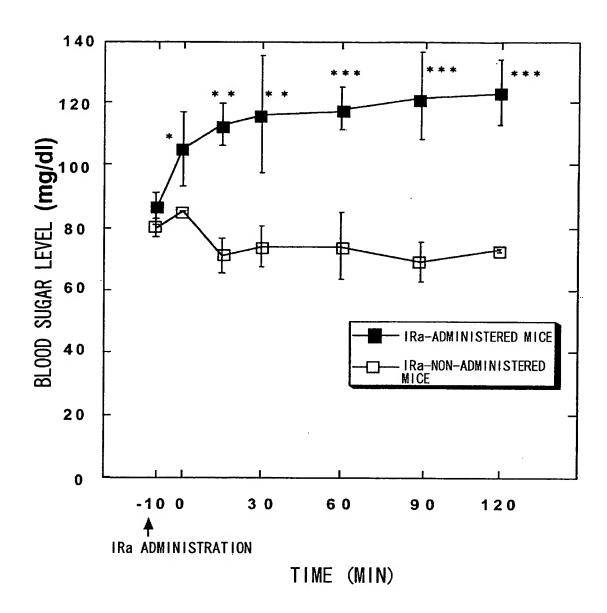


FIG. 5

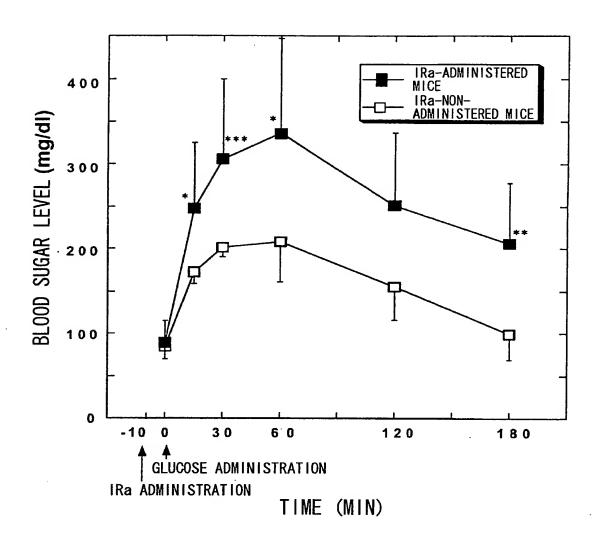


FIG. 6

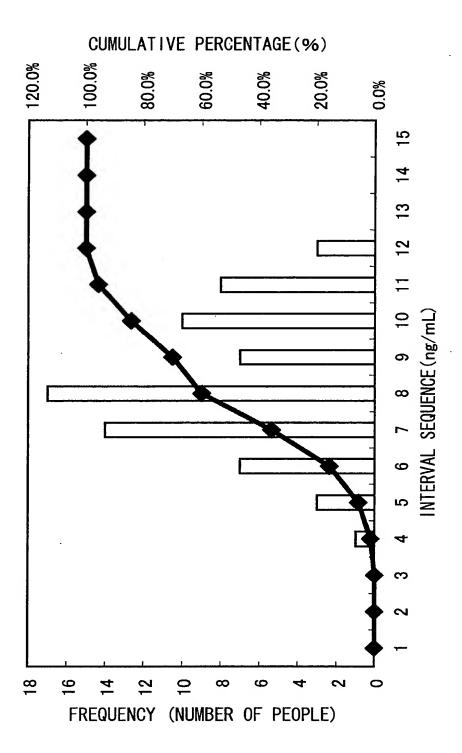


FIG. 7

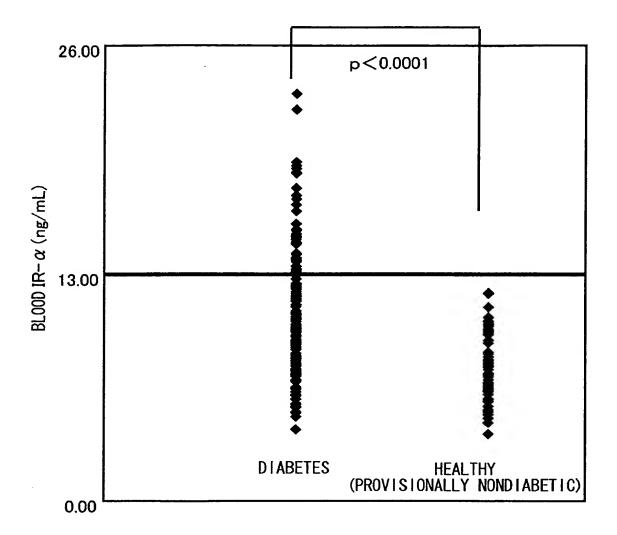
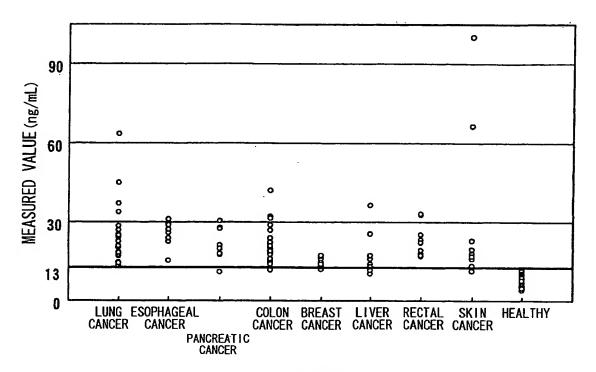


FIG. 8



DISEASES

FIG. 9